

ABSTRACT

The present invention is a method, circuit and system for storing bits on a Non-Volatile Memory ("NVM") array comprising. According to some embodiments of the present invention, a bit scrambling block may rearrange the received block of bits according to a spreading pattern. An error correction code block may generate an error correction code ("ECC") based on either the original block of bits or based on the rearranged block of bits, and a data storing circuit may store in the NVM array the ECC and the block of bits from which the ECC was not derived.